

Converting Colors

$Y_{xy}(20.0531, 0.3758, 0.2348)$

Have a look what the booklet for
Yxy(20.0531, 0.3758, 0.2348)
contains.

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Color

Yxy(19.9643, 0.3759, 0.2345)

Conversions

Conversions Part 1

Format	Color
Hex	C64F9B
RGB	198, 79, 155
RGB Percent	78%, 31%, 61%
CMY	0.2235, 0.6902, 0.3922
CMYK	0.00, 0.60, 0.22, 0.22
HSL	322°, 51%, 54%
HSV	322°, 60%, 78%
XYZ	32.0025, 19.9643, 33.1688
YIQ	123.2450, 46.5280, 48.8640

Conversions

Conversions Part 2

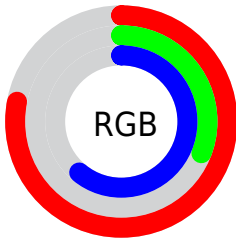
Format	Color
R _Y B	198, 79, 155
Decimal	12996507
CIE Lab	51.80, 55.62, -17.68
CIE LCh	52, 58.359, 342.365
Yxy	19.9643, 0.3759, 0.2345
Android (android.graphics.Color)	4291186587 (0xFFC64F9B)
YUV	123.2450, 15.6552, 65.5601
Hunter-Lab	44.6814, 49.6557, -12.7364

Details

The Yxy color **19.9643, 0.3759, 0.2345** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **43.4627, 0.2812, 0.4537**, and the grayscale version is **19.8281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9633, 0.3603, 0.2521**, and **7.0038, 0.3971, 0.2037** is the 20% darker color. If you saturate the color by 10%, you get **17.2883, 0.3913, 0.2240**, and if you desaturate by 10%, it is **23.5071, 0.3617, 0.2481**.

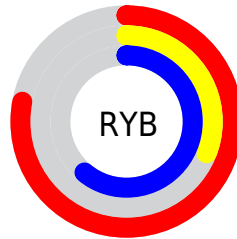
Distribution



Red (78%)

Green (31%)

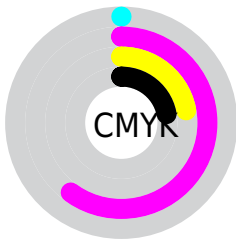
Blue (61%)



Red (78%)

Yellow (31%)

Blue (61%)

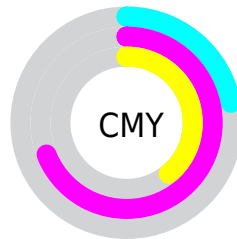


Cyan (0%)

Magenta (60%)

Yellow (22%)

Black (22%)



Cyan (22%)

Magenta (69%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9643, 0.3759, 0.2345 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 19.9643, 0.3759, 0.2345 by changing the saturation by 10% instead.


 19.9643, 0.3759,
0.2345


 19.9643, 0.3759,
0.2345


251.7218, 0.3420,
0.2842


 12.3691, 0.3851,
0.2214


 43.3573, 0.3630,
0.2531


 6.9956, 0.3975,
0.2042


 59.9239, 0.3583,
0.2599


 3.4593, 0.4147,
0.1808


 80.2498, 0.3544,
0.2657

 1.3760, 0.4403,
0.1476

 104.7193, 0.3512,
0.2705

 0.1989, 0.5033,
0.0568

 133.7169, 0.3484,
0.2747

 0.0000, 0.6666,
0.0000

167.6269, 0.3460,

 0.0000, 0.0000,

0.2783

0.0000

206.8337, 0.3438,
0.2814

■ 19.9643, 0.3759,
0.2345

■ 19.9643, 0.3759,
0.2345

■ 17.2883, 0.3913,
0.2240

■ 23.5071, 0.3617,
0.2481

■ 15.3979, 0.4074,
0.2177

■ 27.9824, 0.3489,
0.2636

■ 14.2012, 0.4235,
0.2163

■ 33.4531, 0.3376,
0.2801

■ 13.5249, 0.4392,
0.2193

■ 39.9757, 0.3280,
0.2968

■ 47.6023, 0.3197,
0.3132

■ 56.3818, 0.3128,
0.3288

■ 66.3599, 0.3070,
0.3436

■ 77.5798, 0.3021,
0.3572

■ 88.6642, 0.2981,
0.3676

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.9643, 0.2679, 0.1930



19.9643, 0.3759, 0.2345



19.9643, 0.4774, 0.2943

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



19.9643, 0.3759, 0.2345



19.9643, 0.4210, 0.5050



19.9643, 0.1406, 0.2388

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



19.9643, 0.3759, 0.2345



43.4627, 0.2812, 0.4537

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



19.9643, 0.1668, 0.3364



19.9643, 0.3759, 0.2345



19.9643, 0.3260, 0.5292

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



19.9643, 0.3759, 0.2345



19.9643, 0.4949, 0.4366



19.9643, 0.2325, 0.4608



19.9643, 0.1491, 0.1891

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19.9643, 0.3759, 0.2345



19.9643, 0.5151, 0.3395



19.9643, 0.2325, 0.4608



19.9643, 0.1452, 0.2658

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



19.9653, 0.3759, 0.2345



73.1068, 0.3263, 0.2999



13.7095, 0.2327, 0.1531



14.8525, 0.3290, 0.2950



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.9653, 0.3759, 0.2345



29.4750, 0.3960, 0.2217



18.4596, 0.4703, 0.3074



10.7490, 0.3192, 0.3144



8.8110, 0.4372, 0.2182



0.4307, 0.4069, 0.2015

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



19.9653, 0.3759, 0.2345



29.4750, 0.3960, 0.2217



45.3586, 0.2487, 0.3561



10.7490, 0.3192, 0.3144



8.8110, 0.4372, 0.2182



0.4307, 0.4069, 0.2015

Previews

White Background



This preview shows how the Yxy color 19.9643, 0.3759, 0.2345 looks on a white background.

Color Contrast Check

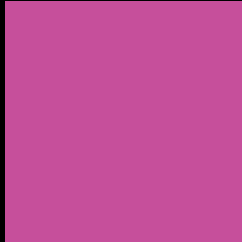
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.9643, 0.3759, 0.2345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

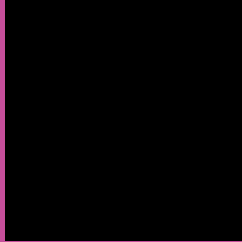
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.9643, 0.3759, 0.2345

Background



This preview shows how black text looks on a background with the Yxy color 19.9643, 0.3759, 0.2345.



This preview shows how white text looks on a background with the Yxy color 19.9643, 0.3759, 0.2345.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

19.9643, 0.3759, 0.2345

Protanopia

20.2736, 0.2331, 0.2219

Deuteranopia

20.0979, 0.2870, 0.2814



Tritanopia

19.8926, 0.4518, 0.3202

Trichromacy



Original Color

19.9643, 0.3759, 0.2345

Protanomaly

18.6375, 0.2723, 0.2202

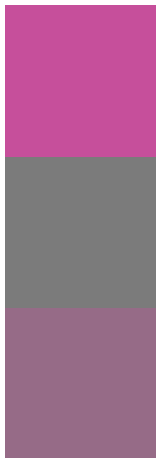
Deuteranomaly

19.1217, 0.3161, 0.2572

Tritanomaly

19.7504, 0.4256, 0.2874

Monochromacy



Original Color

19.9643, 0.3759, 0.2345

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

18.7487, 0.3348, 0.2827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9643, 0.3759, 0.2345 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(198, 79, 155)` looks like.

```
.text, #text, p{  
    color:rgb(198, 79, 155)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(198, 79, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 79, 155) }
```

Border

The CSS property to change the border of an element to Yxy 19.9643, 0.3759, 0.2345 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 79, 155) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(198, 79, 155) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(198, 79, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 79, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 79, 155);  
box-shadow:4px 4px 4px 4px rgb(198, 79,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9643, 0.3759, 0.2345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 79, 155) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(198, 79,  
155) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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